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(54) AUDIO SIGNAL-COMPRESSING/RECORDING APPARATUS AND AUDIO SIGNAL-COMPRESSING APPARATUS AND OPTICAL RECORDING MEDIUM

(57) Abstract

PROBLEM TO BE SOLVED: To record data to CD-ROMs or DVDs, by formatting compressed data, recording the formatted data to a recording medium in a CD format, and compressing audio signals with a high compression rate.

SOLUTION: An A/D converter 1 quantizes audio signals input through an input terminal IN with a quantization bit number of 20 bits or larger and a sampling frequency of 44.1kHz or higher. The data are written in a memory 3 every 2^m ((m) is a positive integer) per one channel via a signals-processing circuit 2. The 2^m data are subjected to orthogonal transformation by an orthogonal transform circuit 10 thereby to obtain a frequency spectrum. The spectrum is processed by Huffman coding at a circuit 8 via a filter bank 6 having a plurality of filters 6a-6h and a switch circuit 7. Then, the data are normalized/quantized at a quantization part 11 and, the quantized/compressed data are writ-

ten to the memory 3. The data are input to a coding circuit 4, and output and formatted in a CD format at a circuit 5. The data are recorded by a recording head via an output terminal OUT2.

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